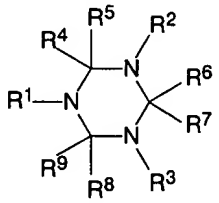
APPENDIX IV:

THE AMENDED CLAIMS (clean version of *all* claims):

1. (*amended*) A catalyst obtained from

a) a chromium compound CrX_3 and the at least equimolar amount, based on the chromium compound CrX_3, of a ligand L or from an existing chromium complex CrX_3L, in which the groups X are, independently of one another, abstractable counterions and L is a 1,3,5-triazacyclohexane of the formula I



I

where the groups R^1 to R^9 are, independently of one another: hydrogen or organosilicon or substituted or unsubstituted carboorganic groups having from 1 to 30 carbon atoms, where two geminal or vicinal radicals R^1 to R^9 may also be joined to form a five- or six-membered ring, and

b) at least one activating additive selected from the group consisting of (i) and (ii) wherein:

i) is an unsubstituted or substituted five-membered aromatic N-heterocycle and at least one aluminum alkyl, wherein some of the alkyl groups of the aluminum alkyl are optionally replaced by halogen and/or alkoxy, and

ii) is an alkylalumoxane.

2. (*amended*) The catalyst defined in claim 1, wherein the groups R^1, R^2 and R^3 in the 1,3,5-triazacyclohexane I are, independently of one another, substituted or unsubstituted C_1-C_{12}-alkyl, C_6-C_{15}-aryl or C_7-C_8-arylalkyl.

3. (*amended*) The catalyst defined in claim 1, wherein the groups R^1, R^2 and R^3 in the 1,3,5-triazacyclohexane I are, independently of one another, substituted or unsubstituted C_1-C_{12}-alkyl or C_7-C_8-arylalkyl.

5. [(1,3,5-Tris(2-n-propylheptyl)-1,3,5-triazacyclohexane)$CrCl_3$].

6. [(1,3,5-Tris(2-ethylhexyl)-1,3,5-triazacyclohexane)$CrCl_3$].

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7. (*amended*) A process for preparing oligomers having up to 30 carbon atoms by reaction of an olefin or a mixture of olefins at from 0 to 150°C and pressures of from 1 to 200 bar in the presence of the catalyst defined in claim 1.

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8. (*new*) The catalyst defined in claim 1, wherein the groups R^4, R^5, R^6, R^7, R^8 and R^9 in the 1,3,5-triazacyclohexane I are, independently of one another, hydrogen or methyl.